

November 9, 2007

Chip Humphrey
Eric Blischke
U.S. Environmental Protection Agency, Region 10
811 SW 6th Avenue, 3rd Floor
Portland, OR 97204

**Re: Lower Willamette River, Portland Harbor Superfund Site
USEPA Docket No: CERCLA-10-2001-0240
Monthly Progress Report for October 2007**

Dear Mssrs. Humphrey and Blischke:

This monthly status report provides information required by the Portland Harbor Superfund Site Administrative Settlement and Administrative Order on Consent (ASOC).

1. ACTIONS TAKEN IN OCTOBER 2007

- The Round 3B biota sampling task continued in October with the collection of collocated sediments from the areas where crayfish and sculpin had been collected. This surface sediment sampling took place in accordance with procedures outlined in the Round 3B Biota FSP from October 15th through October 18th. Clam tissue and collocated sediment collection is currently scheduled to begin on November 12th and expected to take 5-8 days.
- The Round 3 lamprey ammocoete toxicity testing program, initiated with lamprey collection in late August, continued throughout October with laboratory toxicity testing per the procedures described in the FSP and QAPP addenda (and as modified in consultation with EPA). Toxicity testing with aniline was completed in October. An acceptable test was also performed with lindane. This test was carried out to completion, however, an LC50 value could not be derived from this test because only 12.5% died in the highest concentration. The range-finding test with naphthalene was initiated during the last week of October. A new batch of lamprey ammocoetes was collected from the four coastal rivers from October 15th through 19th. These ammocoetes should enable the laboratory to complete the toxicity testing with the three remaining chemicals (naphthalene, pentachlorophenol, and diazinon), based on the assumption that only one flow-through test (and a range-finding test for naphthalene) is needed for each chemical.
- The LWG/EPA Stormwater Technical Team met on October 14th to discuss potential remaining data needs and finalize the data needs proposal for the fall 2007 stormwater sampling program. The team provided a list of data needs that they would like the LWG to collect in the fall of 2007 to help better estimate stormwater loads as envisioned by the original FSP. The proposed sampling program for fall 2007 will be submitted to EPA in early November. The LWG began obtaining access permits and mobilizing for deployment of sampling equipment in late October.
- The final retrieval (fourth quarter) of the in-river sediment traps is scheduled for mid-November. On October 24th, the LWG submitted a request to EPA for approval of proposed analyses priorities for the third quarter sediment trap samples that did not have adequate volume for all analyses.
- The LWG collected nine stratigraphic cores off of Gunderson Area 1 between October 16th and October 19th in accordance with the Round 3B Groundwater Pathway Assessment Field

Sampling Plan approved by EPA. The stratigraphic data and field screening data were compiled into cross-sections and will be provided to EPA and DEQ for discussion in early November.

- Integral is assisting the LWG in updating the City's GIS outfall layer for the RI report. The task includes rectifying inaccuracies in the underlying geodatabase, refining the sources of information, and performing field-verification (i.e., outfall composition, geodetic coordinates, status, etc.) of selected outfalls. Integral is performing the field verification portion of this task in two phases. The first phase occurred October 2nd through 4th during a period of low river stage. The second phase of outfall verification is planned to take place during rain event(s) in November.

Deliverables Approved by EPA

- October 11, 2007: Revised Gunderson TZW FSP

Deliverables Submitted to EPA

- October 1, 2007: Round 2 Mussel and Lamprey Ammocoete Tissue Data Report
- October 10, 2007: Revised Gunderson TZW FSP
- October 15, 2007: Round 3A Winter 2007 High-Flow Surface Water Data Report
- October 22, 2007: Revised Round 3B Biota Sampling FSP
- October 25, 2007: Round 3A Sediment Trap Sampling - Quarter 3 Field Report
- October 31, 2007: Treatability Study Literature Survey Technical Memo

2. PROBLEMS ENCOUNTERED, ANTICIPATED DELAYS, AND SOLUTIONS

- The LWG and EPA have exchanged proposals on compositing schemes for sculpin, bass, and carp tissue samples in October. EPA is proposing compositing schemes which differ from the compositing criteria agreed to in the revised final Round 3B Biota FSP. Agreement on these revised approaches is needed by mid-November to insure that data are generated on the current project analytical schedule.
- Final agreement on the scope of the Round 3B sediment sampling programs is needed by the end of the first full week in November if the sampling is to be completed by the mid-January 2008 target date.

3. RESULTS OF SAMPLING, TESTS, AND OTHER DATA RECEIVED

The following chemical analysis results were received and validated in October 2007:

Round 3 Lamprey Ammocoete Toxicity Testing Phase 2

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	3	1	33	0
CAS	Metals	32	32	100	0
CAS	Metals	32	32	100	0

	dissolved				
CAS	Pesticides	32	0	0	0
CAS	SVOC	32	0	0	0

Round 3 Sediment Trap (Deployed in River) Event III

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	7	6	86	0
CAS	Metals	7	6	86	0
CAS	Butyltins	7	6	86	0
CAS	TPH	7	6	86	0
CAS	VOC	7	7	100	0
CAS	Dioxins	7	6	86	0
CAS	Pesticides	7	0	0	0
CAS	PCBs	7	6	86	0
CAS	SVOC	6	6	100	0
CAS	Herbicides	7	6	86	0
CAS	PAH-SIM	7	6	86	0
CAS	Phthalate esters	1	0	0	0
Vista	PCB congeners	12	0	0	0

Round 3A Stormwater Outfalls - Sediment Traps

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	27	0	0	0
CAS	Metals	8	0	0	0
CAS	Herbicides	8	0	0	0
CAS	PAH-SIM	12	0	0	0
CAS	Phthalate esters	12	0	0	0
Vista	PCB congeners	24	0	0	0

Round 3A Upstream/Downstream Sediments

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
Texas A&M	Radioisotopes	111	0	100	100

Round 3A Sturgeon

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
Axys	Dioxins	17	0	100	0
Axys	Pesticides	18	18	100	0
Axys	PCB congeners	18	18	100	0
Axys	Lipids	17	0	100	0

CAS	Metals	20	17	100	0
CAS	Butyltins	17	17	100	0
CAS	SVOC	17	17	100	0
CAS	PAH-SIM	20	17	100	0
CAS	Lipids	3	0	100	0

Round 3B Biota - Collocated Sediments for Sculpin and Crayfish

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
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CAS	Conventionals	21	0	0	0
CAS	Metals	21	0	0	0
CAS	Butyltins	21	0	0	0
CAS	Dioxins	21	0	0	0
CAS	Pesticides	21	0	0	0
CAS	PCBs	21	0	0	0
CAS	PAH-SIM	21	0	0	0
CAS	Phthalate esters	21	0	0	0
Vista	PCB congeners	21	0	0	0

Willamette Cove Sampling and Analysis

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
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CAS	Conventionals	1	0	0	0
CAS	Metals	1	0	0	0
CAS	Butyltins	1	0	0	0
CAS	TPH	1	0	0	0
CAS	VOC	1	0	0	0
CAS	Dioxins	1	0	0	0
CAS	Pesticides	1	0	0	0
CAS	PCBs	1	0	0	0
CAS	SVOC	1	0	0	0
CAS	Herbicides	1	0	0	0
CAS	PAH-SIM	1	0	0	0
Vista	PCB congeners	1	0	0	0

Round 3B Biota - Tissue (Crayfish)

Lab	Analyte Group	Total # Samples for Task	Data Received October 2007	% Analysis Complete	% Validation Completed
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CAS	Percent moisture	9	0	0	0
CAS	Metals	9	0	0	0
CAS	Butyltins	9	0	0	0
CAS	PAH-SIM	9	0	0	0
CAS	Alkylated PAHs	0	0	0	0

CAS	SVOC	9	0	0	0
CAS	Phthalate esters	9	0	0	0
CAS	Phenols	9	0	0	0
Axys	Lipids	9	0	0	0
Axys	Pesticides	9	0	0	0
Axys	Dioxin/Furans	9	0	0	0
Axys	PCB congeners	9	0	0	0

4. SCHEDULE FOR THE NEXT FOUR MONTHS

Work described in the ASOC that is potentially planned for November, December 2007, and January, February 2008 includes the following:

- November 2007: Draft Round 3B QAPP Addendum 9 for Biota Sampling
- November 2007: Round 3A Sediment Data Report Addendum: Radioisotope Data
- November 2007: Stormwater Field Sampling Report
- November 2007: Stormwater FSP Addendum
- November 2007: Draft Round 3B Sediment FSP
- November 2007: Draft Round 3B QAPP Addendum 10 for Sediment Sampling
- November 2007: Identify Round 3 Data Needs based on Fate & Transport Modeling
- December 2007: Round 3 Phase 2 Lamprey Toxicity Testing Field Sampling Report
- December/January 2008: Gunderson TZW Field Sampling Report
- January 2008: Round 3B Biota Field Sampling Report
- January 2008: 4th Quarter Sediment Trap Field Sampling Report
- January 2008: Round 3A Sturgeon Sampling Data Report

Submittal dates for pending products currently under preparation by LWG and scheduled for submittal in upcoming months are listed in Table 1.

5. DOCUMENTS AND ISSUES AWAITING EPA RESPONSE

EPA comments or approvals have not been received on several milestones and documents that have been submitted to EPA as required by the ASOC; these and other documents and milestones are listed in Table 1. The LWG requests document/milestone approvals to verify that the terms of the ASOC are being met and issues are resolved to maintain progress on the RI/FS.

If you have any questions, please give me a call at (360) 705-3534.

Sincerely,



Gene C. Revelas
RI/FS Coordinator

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 Sheila Fleming, Ridolfi (email only)
 LWG Repository

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Round 1			
Conceptual Site Model Update	9/17/2004	Submitted; EPA comments received 1/13/2005	
Revised Conceptual Site Model Update Site Summaries	10/10/2005	Summaries submitted 10/10/2005 for Gasco, Triangle Park, ExxonMobil, Marcom, Arkema, Gunderson, & Foss Brix	EPA comments not anticipated
Remaining Revised Conceptual Site Model Update Site Summaries	2/28/2007	Summaries for Rhone-Poulenc and Siltronic submitted on 2/28/2007.	4/30/2007
Conceptual Site Model Update - Remaining Upland Site Summaries	First batch: 3/8/2005	First batch submitted on 3/8/2005	First batch: 5/8/2005
	Second batch: 3/8/2005	Second batch submitted on 3/8/2005	Second batch: 5/8/2005
	Third batch: 4/26/2005	Third batch submitted on 4/26/2005	Third batch: 6/27/2005
	Fourth batch: 4/26/2005	Fourth batch submitted on 4/26/2005	Fourth batch: 6/27/2005
	Fifth batch: 5/31/2005	Fifth batch submitted on 5/31/2005	Fifth batch: 8/1/2005
	Sixth batch: 5/31/2005	Sixth batch submitted on 5/31/2005	Sixth batch: 8/1/2005
	Seventh batch: 9/1/2005	Seventh batch submitted on 9/2/2005	Seventh batch: 10/31/2005
	Last batch: 2/28/2007	Last batch submitted 2/28/2007	Last batch: 4/30/2007

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Round 2 Biota			
<i>Revised Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	11/23/2005	Submitted 11/23/2005; approved with conditions on 12/6/2005; a final QAPP addendum is required	12/8/2005
<i>Final Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	TBD	On 2/9/2006, the LWG submitted a response to EPA's comments on the 11/23/2005 version of the QAPP addendum. The LWG has not heard back from EPA on that response. The LWG believes that a final QAPP is not required.	
Hydro/Sed Modeling			
<i>Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for the Lower Willamette River</i>	12/8/2006	Submitted 12/8/2006; EPA comments received 4/3/2007	
<i>Revised Sedflume Data Use Technical Memorandum</i>	July 2007	Submitted 7/26/2007;	EPA comments and conditioned approval received 9/20/2007
Groundwater Pathway			
<i>Draft Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan</i>	4/22/2005	Submitted 4/22/2005; EPA comments received 6/3/2005	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan - Response to EPA Comments</i>	TBD	This response to comments is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	
<i>Revised Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan (including Appendix A - Site Summaries and Appendix B - Pilot Study Data Report)</i>	TBD	Revision of the Round 2 GWPA SAP is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	
<i>Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</i>	4/29/2005	Submitted 4/29/2005; EPA comments received 6/10/2005	
<i>Revised Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</i>	No longer needed	The only seep determined to pose a potentially complete exposure pathway is discharge from Outfall 22B. The existing data from Outfall 22B include the upland COIs and meet the data quality requirements for risk evaluation (Category 1/QA2). Based on the Round 2 Report evaluations, no additional seep data are needed. Therefore, this FSP is no longer needed."	

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 2: Transition Zone Water FSP</i>	3/27/2006	Redline version submitted 3/27/2006; final to be submitted following approval or comments from EPA	4/28/2006
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 3: Supplement to QAPP Addendum 3</i>	10/7/2005	Submitted 10/7/2005: Conditional approval of proposed changes to the QAPP addendum received from EPA on 9/30/2005.	
<i>Revised Transition-Zone Water FSP Addendum 1 Sampling Plans for ExxonMobil, Siltronic, Gasco, and Arkema</i>	3/27/2006	Submitted 3/27/2006	
<i>Revised Transition-Zone Water FSP Addendum 2</i>	3/27/2006	Submitted 3/27/2006	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Natural Attenuation			
<i>Step 2 Natural Attenuation Evaluation Report</i>	No longer needed	EPA's proposed fate and transport modeling approach will provide the needed evaluation on monitored natural recovery (MNR). We propose that model be used to identify any further MNR data gaps and evaluations once it is up and running.	
Tech Memos			
Revised TRV Selection TM	10/23/2004	Submitted; EPA comments received 3/18/2005. On 6/10/2005, EPA directed the LWG to submit the final TRV Selection TM with the PRE.	
Second Revision Preliminary Risk Evaluation Approach TM	1/7/2005	Submitted; EPA comments received 3/4/2005. On 6/10/2005, EPA directed the LWG to submit the final PRE approach TM with the PRE.	
Comprehensive ERA Approach TM	6/27/2004	Submitted; EPA comments received 10/1/2004	
Revised Comprehensive ERA Approach TM	TBD	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Process for Derivation of PRGs TM	1/20/2005	Submitted; EPA comments received 6/30/2006; a revised tech memo is not required.	3/21/2005
<i>Response to EPA Comments on Process for Derivation of PRGs TM</i>	9/1/2006	Submitted 9/1/2006	
<i>Draft Approach to Determining Background for the Portland Harbor Superfund Site</i>	3/3/2006	Submitted 3/3/2006; EPA comments received 6/5/2006; revised tech memo required.	5/2/2006
<i>Revised Approach to Determining Background for the Portland Harbor Superfund Site</i>	7/20/2006	LWG response to EPA comments was submitted on 7/14/2006. Further discussion with EPA is required before the tech memo can be revised.	
<i>Process for Delineating the Extent of Contamination Upstream and Downstream of the ISA</i>		The approach for Delineating the Extent of Contamination Upstream and Downstream of the ISA will be provided in the Draft RI Report	
<i>COPC Selection Interim Deliverable</i>	~1/23/2006	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Ecological Risk Assessment			
Ecological Preliminary Risk Evaluation (PRE)	9/9/2005	Submitted 9/9/2005; EPA comments received 4/28/2006, a revised PRE is not required	11/8/2005
Bioassay Data Report	4/15/2005	Submitted 4/8/2005	6/7/2005; EPA comments not anticipated
<i>Round 2 Benthic Assessment Interpretation Report</i>	3/17/2006	Submitted 3/17/2006; EPA comments received 7/6/2006	5/16/2006
<i>Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	11/4/2005	Submitted 11/4/2005; EPA comments received 3/10/2006	1/3/2006
<i>Response to EPA comments on Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	4/21/2006	Submitted 4/21/2006	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Ecological Water Screening Levels</i>	5/26/2006	Submitted 5/25/2006; directive EPA comments received 9/15/2006, and a correction to the xylene AWQC on 9/27/06. Additional revisions were submitted on 10/13/2006.	7/9/2006; delay in receipt of EPA comments or approval of this submittal will impact the project schedule
Feasibility Study			
<i>2003 Sediment Stake Results Report</i>	4/16/2004	Submitted	EPA comments not anticipated
Draft Disposal Site Inventory Preliminary Screening Report	7/12/2004	Submitted	9/10/2004; project schedule not yet impacted by lack of comments on this submittal
Facility Siting Re-Screen Report	TBD, Work Plan submittal deadline is 3/14/2005	In a 2/8/2006 meeting, EPA stated that it agreed to delete this deliverable.	
Literature Survey of Treatability Studies	October 2007	<u>Submitted 10/31/2007</u>	
General Field/Data/RI Reporting			
<i>Validated Analytical Results</i>	90 days following completion of each sampling activity		
<i>Round 2 Surface Sediment Field Sampling Report</i>	1/4/2005	Submitted	3/7/2005; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2A Subsurface Sediment Field Sampling Report</i>	1/10/2005	Submitted	3/11/2005; EPA comments not anticipated
<i>Round 2A Event 1 Surface Water Field Sampling Report</i>	1/31/2005	Submitted	4/1/2005; EPA comments not anticipated
<i>Round 2A Winter 2005 Surface Water Field Sampling Report</i>	5/16/2005	Submitted	7/15/2005; EPA comments not anticipated
<i>Round 2A Summer 2005 Surface Water Field Sampling Report</i>	9/19/2005	Submitted	11/19/2005; EPA comments not anticipated
<i>Round 2 Subyearling Chinook Tissue Collection Field Sampling Report</i>	7/18/2005	Submitted 7/18/2005	9/16/2005; EPA comments not anticipated
<i>Round 2 Multiplate Tissue Field Sampling Report</i>	11/23/2005	Submitted 11/23/2005	1/13/2006; EPA comments not anticipated
<i>Draft Round 2 Sediment Site Characterization Summary Report</i>	7/15/2005	Submitted 7/15/2005	9/13/2005; EPA comments not anticipated
<i>Draft Round 2 Surface Water Data Report for November 2004 and March 2005 Sampling Events</i>	10/17/2005	Submitted 10/17/2005	12/16/2005; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Field Sampling Report</i>	12/28/2005	Submitted 12/29/2005	2/24/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Field Sampling Report</i>	1/31/2006	Submitted 1/31/2006	4/3/2006; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Benthic Invertebrate Field Sampling Report</i>	2/20/2006	Submitted 2/20/2006	4/21/2006; EPA comments not anticipated
Round 2 Surface Water Site Characterization Summary Report	4/24/2006	Submitted 4/24/2006	6/23/2006
<i>Round 2 Juvenile Chinook Tissue Data Report</i>	3/31/2006	Submitted 3/31/2006	5/29/2006; EPA comments not anticipated
<i>Round 2A Surface Sediment PCB Congeners Data Report</i>	4/10/2006	Submitted 4/10/2006	6/9/2006; EPA comments not anticipated
<i>Round 2A Archived Subsurface Sediment Data Report</i>	5/5/2006	Submitted 5/8/2006	7/7/2006; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Data Report</i>	5/22/2006	Submitted 5/22/2006	7/21/2006; EPA comments not anticipated
<i>Round 2 Multiplate Invertebrate Tissue Data Report</i>	6/12/2006	Submitted 6/12/2006	8/11/2006; EPA comments not anticipated
<i>Round 2 Hydrodynamic/Sediment Transport Modeling Data Collection Field Sampling Report</i>	6/19/2006	Submitted 6/19/2007	10/2/2006; EPA comments not anticipated
<i>Round 2 Benthic Tissue and Sediment Data Report</i>	9/6/2006	Submitted 9/6/2006	11/6/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Site Characterization Summary Report</i>	8/7/2006	Submitted 8/7/2006	11/6/2006

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report	2/21/2007	Submitted 2/21/2007	EPA written comments on full report anticipated by January 2008
ROUND 3			
SURFACE WATER			
<i>Round 3 January 2006 High-flow Event Surface Water Field Sampling Report</i>	3/22/2006	Submitted 3/27/2006	5/22/2006; EPA comments not anticipated
<i>Round 3 January 2006 Surface Water Sampling Event Data Report</i>	10/23/2006	Submitted 10/23/2006	12/22/2006; EPA comments not anticipated
<i>Round 3A September 2006 Low-flow Event Surface Water Sampling Field Sampling Report</i>	12/8/2006	Submitted 12/8/2006	2/6/2007; EPA comments not anticipated
<i>Round 3A November 2006 Stormwater Runoff Event Surface Water Sampling Field Sampling Report</i>	1/15/2007	Submitted 1/15/2007	3/16/2007; EPA comments not anticipated
<i>Round 3A 2007 High Flow Surface Water Field Sampling Report</i>	5/9/2007	Submitted 04/30/07	TBD; EPA comments not anticipated
<i>Round 3A Surface Water Data Report for September 2006 Low-flow Event add November 2006 Stormwater Runoff Event</i>	5/21/2007	Submitted 5/21/2007	TBD; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3A 2007 High Flow Surface Water Data Report</i>	October 2007	<u>Submitted 10/15/2007</u>	TBD; EPA comments not anticipated
TZW			
<i>Gunderson TZW Field Sampling Plan</i>	August 2007	Submitted 08/16/07; revised <u>Tech Approach memo</u> submitted 10/10/2007	EPA comments received on 9/20/2007; EPA approval on revised FSP received on 10/11/07
BIOTA			
<i>Revised FSP: Round 3 Sampling for Pre-Breeding White Sturgeon (Acipenser transmontanus) Tissue</i>	12/22/2006	Submitted 12/22/2006; approved by EPA with conditions on 2/15/2007	1/22/2007
<i>Round 3 Lamprey Ammocoete Tissue Collection Field Sampling Report</i>	12/15/2006	Submitted 12/15/2006	2/16/2007; EPA comments not anticipated
<i>Round 3 Sturgeon Field Sampling Report</i>	5/7/2007	Submitted 05/07/07	TBD; EPA comments not anticipated
<i>Round 3 Lamprey Ammocoete Phase 1 Toxicity Testing Data Report (and comment responses)</i>	4/6/07	Submitted 04/06/07	6/8/2007
<i>Round 3 Lamprey Toxicity Testing FSP Addendum</i>		Submitted 07/09/07; response to comments submitted 08/10/07; revised FSP and QAPP addenda submitted 9/12/2007	EPA comments received 07/20/07; EPA approval received 08/17/07; EPA comments on revised FSP/QAPP addenda not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3 Biota Sampling FSP</i>	8/10/2007	Submitted 08/10/07; <u>revised FSP submitted 10/26/2007</u>	EPA comments received 8/17/07
<i>Round 3B QAPP Addendum 9 for Biota Sampling</i>	October 2007	<u>Submitted 11/2/07</u>	-
<i>Round 3 Lamprey Ammocoete Tissue Testing Data Report</i>	August 2007	Submitted 08/24/07	TBD; EPA comments not anticipated
<i>Juvenile Lamprey Tissue Data Interpretation Memorandum</i>	September 2007	Submitted 09/12/07	TBD
<i>Round 2 Mussels Data Report</i>	<u>October 2007</u>	<u>Submitted 10/1/2007</u>	
<i>Round 3 Sturgeon Data Report</i>	TBD	TBD	TBD
<u>Carp Locations</u>	-	<u>Submitted 10/22/2007</u>	-
STORMWATER			
<i>Round 3A Field Sampling Plan: Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	
<i>Round 2 QAPP Addendum 8: Round 3A Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	
<i>Round 3A Upland Stormwater Field Sampling Report</i>	October 2007	<u>to be submitted early November 2007</u>	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i><u>Round 3A Stormwater FSP Addendum</u></i>		<u>to be submitted early November 2007</u>	
<i>Stormwater Site Characterization Summary Report</i>	TBD		
<i>Stormwater Loading Estimate Methods Report</i>	TBD		
<i>SEDIMENT</i>			
<i>Round 3A Sediment Upstream / Downstream Field Sampling Report</i>	4/9/2007	Submitted 04/09/07	TBD; EPA comments not anticipated
<i>Round 3B Field Sampling Plan: Sediment Sampling and Benthic Toxicity Testing</i>		Submitted 5/4/2007	<u>EPA comments received 06/25/07</u>
<i>Upriver and Multnomah Channel Sediment Evaluation and Field Sampling Plan Technical Approach</i>		Submitted 5/25/2007	<u>EPA comments received 10/11/07</u>
<i>Draft Round 3B Surface and Core Sediment FSP Preliminary Technical Memorandum</i>		Submitted 5/25/2007	<u>EPA comments received 8/09/07</u>

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Draft Round 3B Erosion Core Sediment FSP Technical Memorandum</i>	August 2007	Submitted 8/29/07	<u>EPA comments received 10/11/07</u>
<i>Round 3A Sediment Upstream / Downstream Data Report</i>	8/6/2007	Submitted 7/30/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Radioisotope Data Report</i>	<u>November 2007</u>	-	-
<i>Round 3B Sediment Field Sampling Plan</i>	<u>November 2007</u>	to be submitted 11/5/07	-
<i>Round 3B QAPP Addendum 10 for Sediment Sampling</i>	<u>November 2007</u>	-	-
SEDIMENT TRAP (IN-RIVER)			
<i>Round 3A Sediment Trap Sampling Quarter 1 Field Report</i>	4/1/2007	Submitted 04/16/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Trap Sampling Quarter 2 Field Report</i>	August 2007	Submitted 08/07/07	TBD; EPA comments not anticipated
<i>Round 3A Sediment Trap Sampling Quarter 3 Field Report</i>	October 2007	<u>Submitted 10/25/2007</u>	<u>TBD; EPA comments not anticipated</u>

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3A Sediment Trap Sampling Quarter 4 Field Report</i>	TBD		
<i>Sediment Trap Data Report</i>	TBD		
FATE & TRANSPORT			
<i>Draft Chemical Fate & Transport Model Development and Data Gaps Identification Report</i>	July 2007	Submitted 7/20/2007; response to comments being prepared by the LWG	<u>EPA comments received 10/15/07</u>
Cultural Resources			
Draft Cultural Resource Survey Report	12/16/2005	Submitted 12/16/2005	2/14/2006; EPA comments not time-critical at this point in the project

Notes:

¹ - **Bolded Deliverables** are primary deliverables per Section XIX., Paragraph 4 of AOC (EPA 2001a).
 Unbolded Deliverables are secondary deliverables per Section XIX, Paragraph 5 of AOC.
Italicized Deliverables do not have stipulated penalty amounts.

² - Listed Submittal Deadlines are for draft documents. Unless otherwise specified, all final documents are due to EPA 30 days following receipt of comments from EPA.

Deliverables approved more than two months ago will be deleted from next month's progress report.

Only deliverables due within the next four months are shown.

Deliverable completed and approved by EPA.

Deliverable submitted to EPA and its partners.

Underlining indicates text change from last progress report.